Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/02/2020 10:29 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125111	0	2.22	125090	2.21
Blue	F	SSC	125000	123909	-1	1.72	124644	1.65
Blue	E	FITC	15892	15472	-3	2.72	336	19.81
Blue	D	PE	29999	29499	-2	1.88	643	14.36
Blue	B	PerCP-Cy5-5	43732	43714	-1	3.60	1174	19.95
Blue	A	PE-Cy7	30845	30892	0	5.86	593	40.60
Red	C	APC	46112	45584	-2	2.48	1612	12.08
Red	A	APC-Cy7	30458	29866	-2	2.39	800	11.50
Violet	B	V450	7918	7592	-5	4.81	425	12.82
Violet	A	V500	32171	30849	-5	4.59	719	10.44

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17717	12.21	619	-2	N/A	N/A	Pass
Blue	F	SSC	56457	1.19	559	0	N/A	N/A	Pass
Blue	E	FITC	62	62.06	541	-2	0.0204	105	Pass
Blue	D	PE	134	47.83	547	-1	0.1675	247	Pass
Blue	B	PerCP-Cy5-5	218	50.07	657	1	0.0096	109	Pass
Blue	A	PE-Cy7	110	99.49	699	1	0.0109	12	Pass
Red	C	APC	384	25.31	587	3	0.0248	167	Pass
Red	A	APC-Cy7	175	28.66	558	2	0.0062	1479	Pass
Violet	B	V450	65	56.16	460	2	0.0561	1903	Pass
Violet	A	V500	108	31.28	476	2	0.0239	489	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.91	-32.45	0.99
Blue	20.36	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.45
Red	15.94	13.60 - 20.40	N/A	N/A	30.03	30.42	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 11176

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments